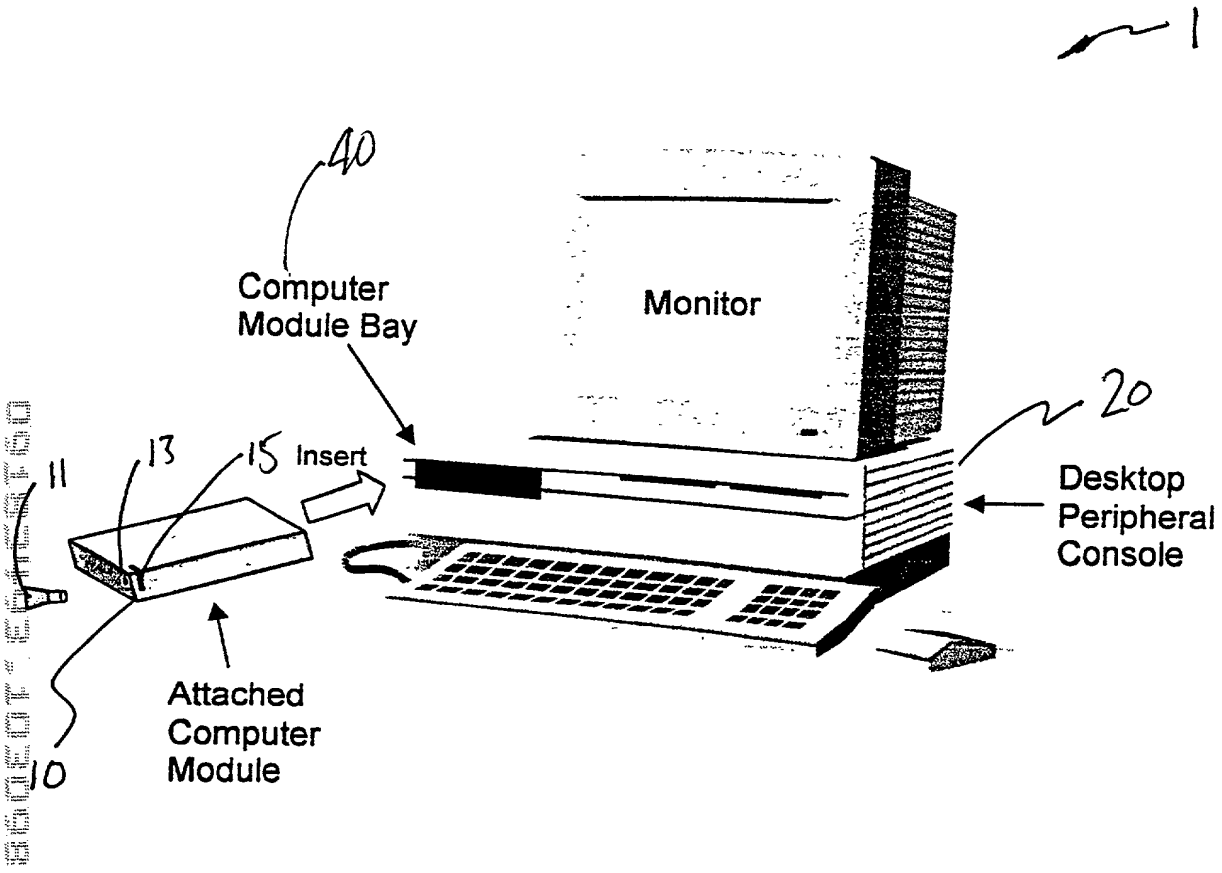
1
40
Computer
Module Bay
Monitor
20
11
13
15
Insert
Desktop
Peripheral
Console
Attached
Computer
Module
10

Figure 1.

Circuit Connect

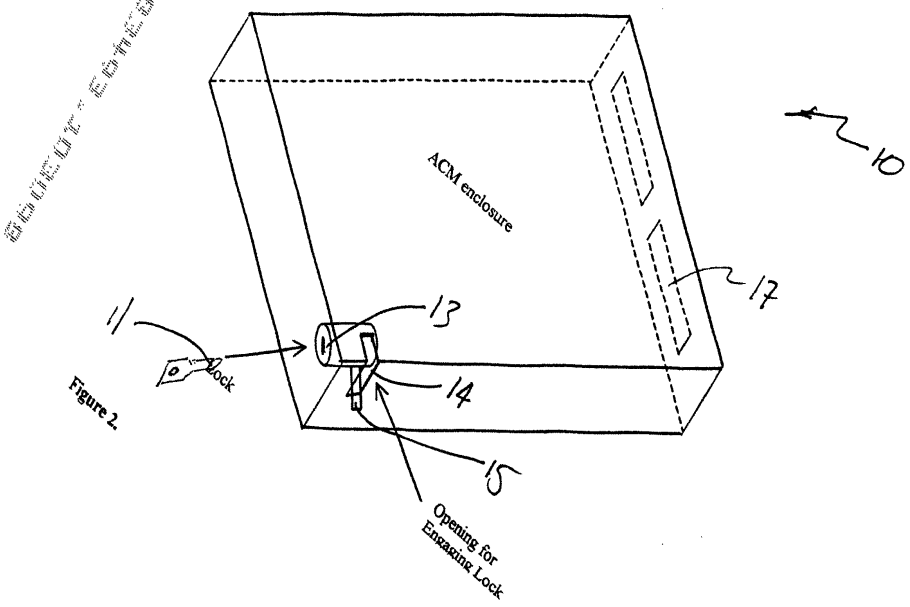

Figure 2.

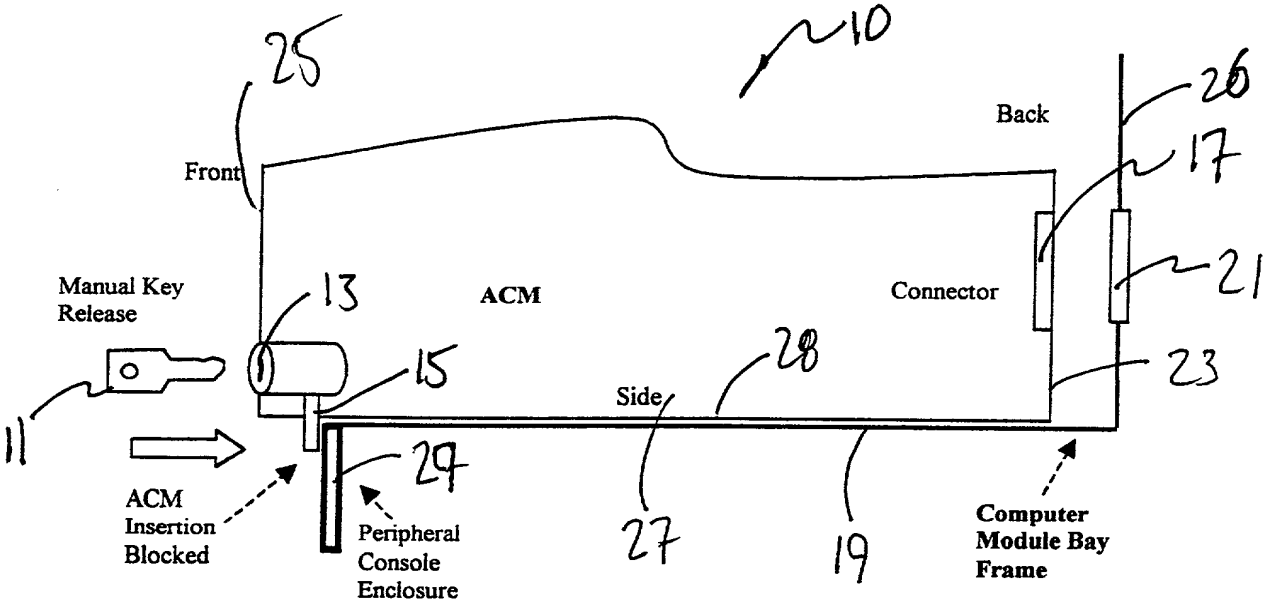
10
25
26
Back
Front
17
21
Manual Key
Release
13
ACM
Connector
11
15
28
23
Side
29
ACM
Insertion
Blocked
Peripheral
Console
Enclosure
27
19
Computer
Module Bay
Frame

Figure 3.

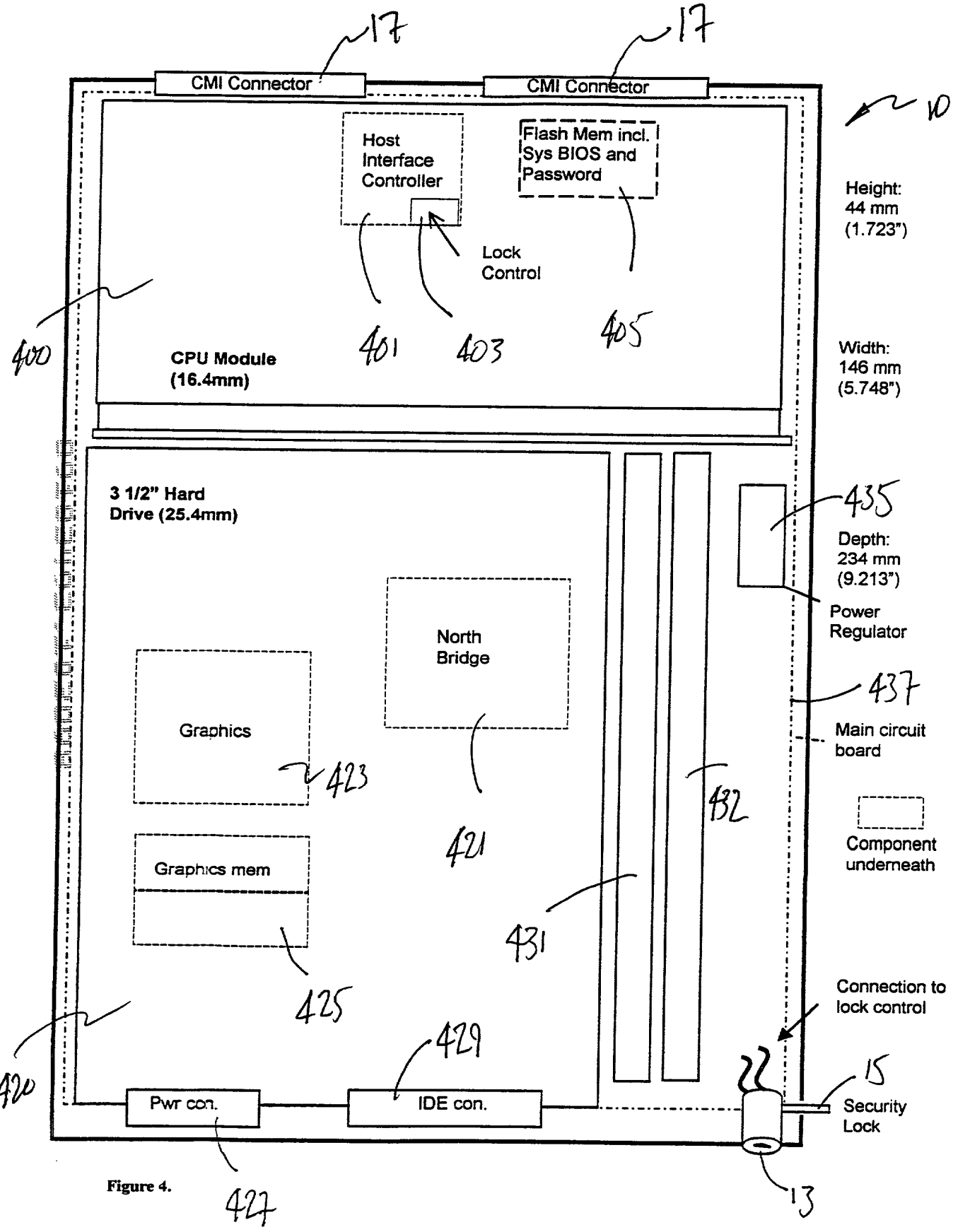
17
17
CMI Connector
CMI Connector
10
Host Interface Controller
Flash Mem incl. Sys BIOS and Password
Lock Control
Height: 44 mm (1.723")
400
401
403
405
CPU Module (16.4mm)
Width: 146 mm (5.748")
3 1/2" Hard Drive (25.4mm)
435
Depth: 234 mm (9.213")
Power Regulator
North Bridge
437
Main circuit board
Graphics
423
432
421
Component underneath
Graphics mem
431
425
Connection to lock control
420
429
15
Pwr con.
IDE con.
Security Lock
427
13

Figure 4.

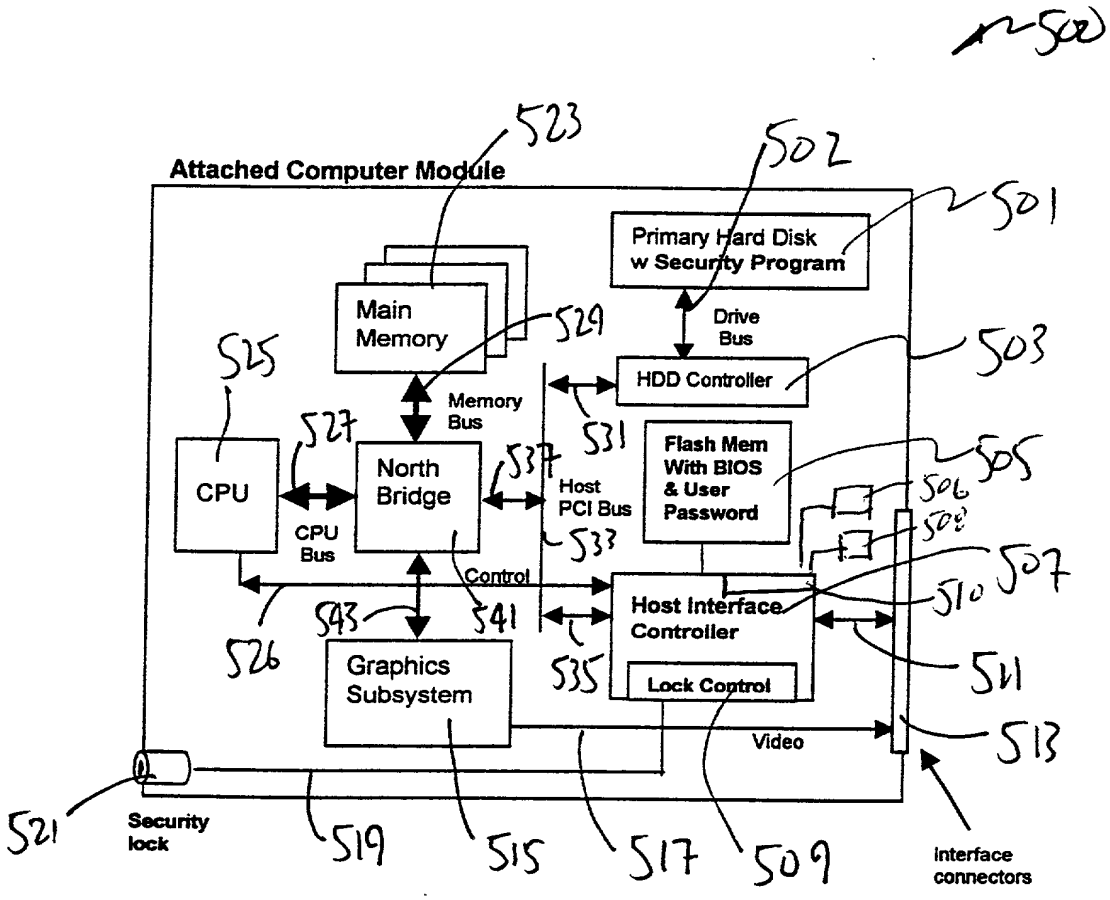
500
Attached Computer Module
523
502
501
Primary Hard Disk
w Security Program
Drive
Bus
Main
Memory
529
525
503
HDD Controller
Memory
Bus
527
531
Flash Mem
With BIOS
& User
Password
505
CPU
North
Bridge
537
Host
PCI Bus
506
508
CPU
Bus
533
Control
507
510
543
541
Host Interface
Controller
526
Graphics
Subsystem
535
Lock Control
511
Video
513
521
Security
lock
519
515
517
509
Interface
connectors

Figure 5.

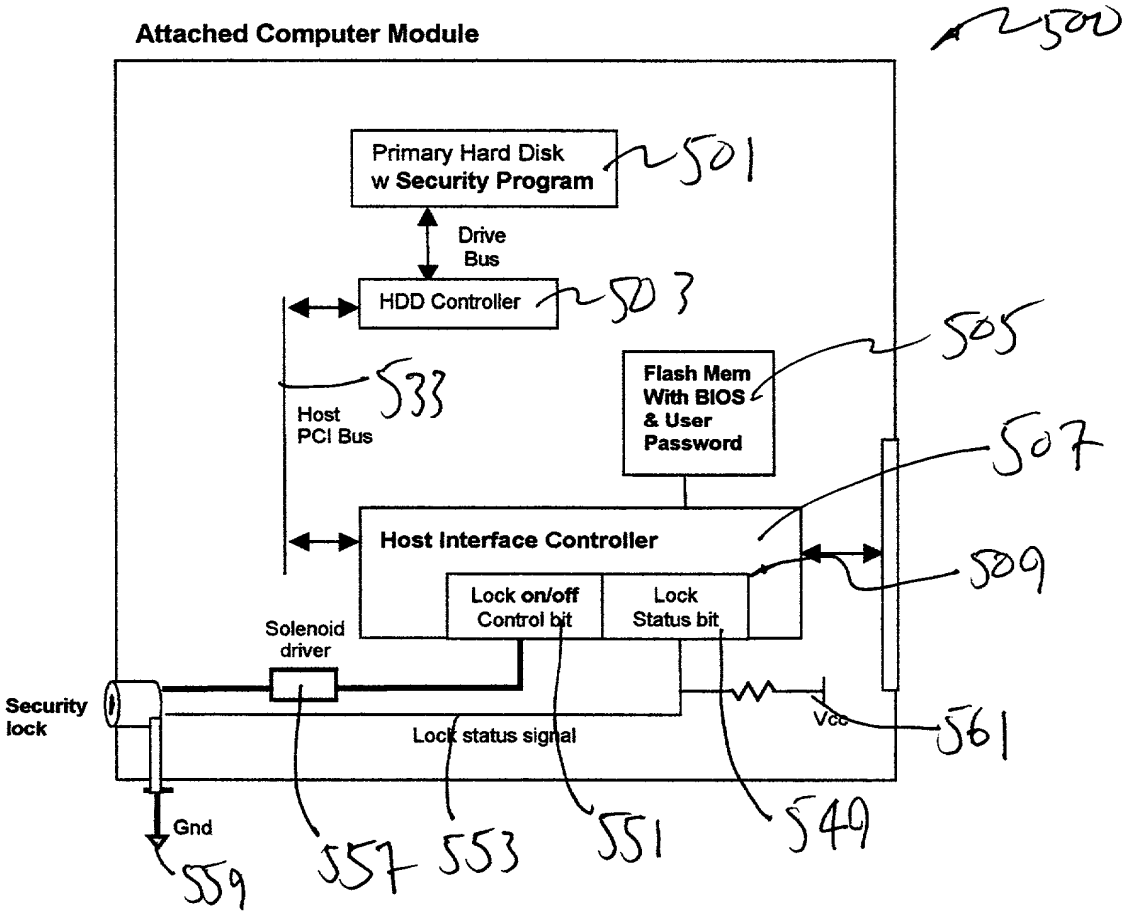
Attached Computer Module
500
Primary Hard Disk
w Security Program
501
Drive
Bus
HDD Controller
503
505
Flash Mem
With BIOS
& User
Password
533
Host
PCI Bus
507
Host Interface Controller
509
Lock on/off
Control bit
Lock
Status bit
Solenoid
driver
Security
lock
Lock status signal
Vcc
561
Gnd
559
557
553
551
549

FIG. 5A

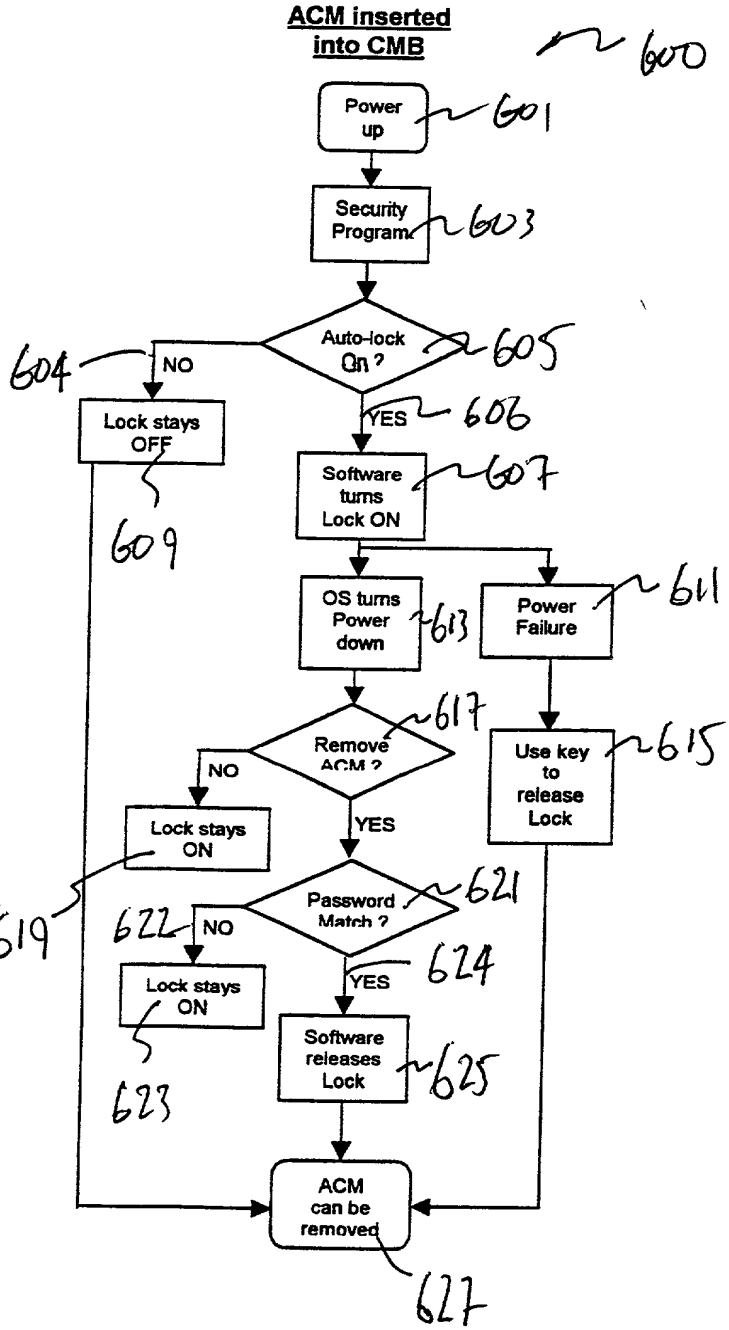
ACM inserted into CMB
600
Power up
601
Security Program
603
Auto-lock On ?
605
NO
604
YES
606
Lock stays OFF
609
Software turns Lock ON
607
OS turns Power down
613
Power Failure
611
Remove ACM ?
617
NO
YES
Use key to release Lock
615
Lock stays ON
619
Password Match ?
621
622
NO
YES
624
Lock stays ON
623
Software releases Lock
625
ACM can be removed
627

FIG. 6

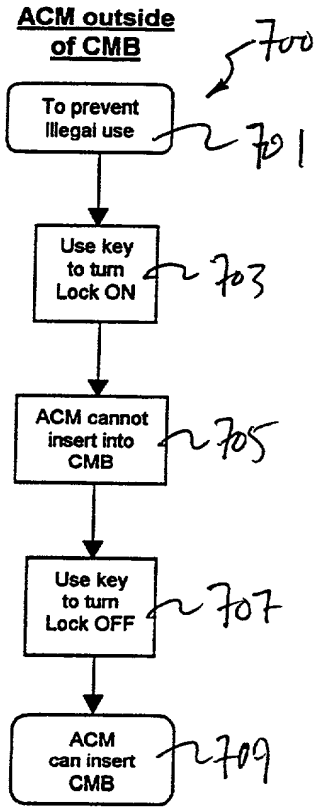
ACM outside of CMB
700
To prevent Illegal use
701
Use key to turn Lock ON
703
ACM cannot insert into CMB
705
Use key to turn Lock OFF
707
ACM can insert CMB
709

FIG. 7